

What is claimed is:

1. An electrical cable assembly comprising:

a unitary longitudinal insulative housing defining an uninterrupted central slot along a lengthwise direction thereof, the housing comprising opposite first and second elongated walls located at two longitudinal sides of the central slot;

a cavity recessed from an interior face of the first elongated wall and in communication with the central slot in a transverse direction;

a plurality of first and second contacts disposed in the first elongated wall and separated by the cavity; and

a plurality of wires electrically connecting with the first and the second contacts.

2. The electrical cable assembly as claimed in claim 1, further comprising a plurality of third contacts disposed in the second elongated wall and in alignment with the cavity in the transverse direction, and further comprising a plurality of wires electrically connecting with the third contacts.

3. The electrical cable assembly as claimed in claim 2, wherein the second elongated wall is thinned except for a portion receiving the third contacts.

4. The electrical cable assembly as claimed in claim 1, wherein the second elongated wall has an expanded portion integrally formed on an exterior face thereof and in alignment with the cavity in the transverse direction.

5. The electrical cable assembly as claimed in claim 4, further comprising a plurality of third contacts and a plurality of wires electrically connecting with the third contacts, and wherein the expanded portion defines a plurality of

passageways receiving the corresponding third contacts.

6. The electrical cable assembly as claimed in claim 5, further comprising a spacer mounted on a rear face of the housing to seal the rear face except for a plurality of slits through which the first, the second and the third contacts extend rearwardly

7. The electrical cable assembly as claimed in claim 5, wherein each contact comprises a contact portion with a curved contact section exposed in the central slot of the housing, a tail portion extending outwardly from the housing, and a retention portion connecting the contact portion and the tail portion.

8. The electrical cable assembly as claimed in claim 6, further comprising a cover over-molded on the housing to cover the first, the second and the third contacts and the wires.

9. The electrical cable assembly as claimed in claim 7, wherein the tail portions of the first and the second contacts are arranged in a first row, and wherein the tail portions of the third contacts are arranged in a second row offsetting from the first row in the transverse direction.

10. The electrical cable assembly as claimed in claim 1, wherein the second contacts comprise three sets of power contacts and two sets of ground contacts arranged between adjacent two sets of power contacts.

11. The electrical cable assembly as claimed in claim 10, wherein each set of power contacts comprises three power contacts having a common tail portion

soldered to a corresponding wire and three contact portions each having a curved contact section exposed in the central slot of the housing.

12. The electrical cable assembly as claimed in claim 11, wherein one set of ground contacts is soldered with corresponding wires in a one-to-one relationship, and wherein the other set of ground contacts comprises three ground contacts two of which are soldered to a common wire and another one is soldered to a corresponding wire.

13. The electrical cable assembly as claimed in claim 1, wherein the thickness of the first elongated wall is larger than that of the second elongated wall.

14. The electrical cable assembly as claimed in claim 1, wherein the cavity divides the first elongated wall into two portions having different dimensions along the longitudinal direction.

15. The electrical cable assembly as claimed in claim 1, wherein the insulative housing comprises a base and a mating section extending forwardly from the base, the first and the second elongated walls being formed on the mating section.

16. The electrical cable assembly as claimed in claim 15, further comprising a cover over-molded on the base to cover the first and the second contacts and the wires.

17. The electrical cable assembly as claimed in claim 15, further comprising a spacer mounted on a rear face of the housing to seal the rear face except for a plurality of slits through which the first and the second contacts extend rearwardly.

18. An electrical cable connector assembly comprising:

- an insulative housing defining therein a elongated slot extending, along a longitudinal direction, with opposite first and second wall by two sides thereof;
- a plurality of first passageways defined in the first wall;
- a plurality of first contacts disposed in the corresponding first passageways, respectively;
- the second wall defining a plurality of second passageways therein;
- a plurality of second contacts disposed in the corresponding second passageways, respectively;
- an amount of said first contacts being equal to that of the second contacts while said second contacts being more densely arranged in said longitudinal direction than said first contacts;
- first and second identical sets of cables respectively connected to said first and second contacts, the first set including a plurality of first conductors respectively connected to rear ends of the first contacts, the second set including a plurality of second conductors respectively connected to rear ends of the second contacts, and
- a pitch of said first and second conductors of said first and second identical sets of cables being larger than that of the second contacts but smaller than that of the first contacts; wherein
- the rear ends of the second contacts are laterally and outwardly offset to comply with the pitch of the second set of cable so as to allow the second conductors to be directly aligned with the corresponding second contacts in a front-to-back direction for soldering;
- the rear ends of the first contacts are kept straight as other portions thereof so that the corresponding first conductors are required to obliquely and outwardly extend to comply with the first contacts, respectively, for soldering.

19. The assembly as claimed in claim 18, wherein the second passageways are formed in an expansion portion of the second wall, and a cavity is formed in the first wall aligned with the expansion portion in a transverse direction perpendicular to both said longitudinal direction and said front-to-back direction.

20. The assembly as claimed in claim 18, wherein the rear end of one of said second contacts is intentionally split into two spaced parts for respectively contacting two respective second conductors.

21. The assembly as claimed in claim 18, wherein the rear end of one of said first contacts connects two closely juxtaposed first conductors.